

General Environmental Incident Summary

Incident: 3770 **Date/Time Notice:** 6/1/2015 1350 **DEM Incident No:**
Responsible Party: North Star Coop
Date Incident: 6/1/2015 **Time Incident:** 1300 **Duration:** 10 minutes
County: Walsh **Twp:** 158 **Rng:** 55 **Sec:** 35 **Qtr:** NW NW NW
Lat: 48.47059 **Long:** -97.70988 **Method:** Navigation quality GPS
Location Description: Head North on Highway 12 out of Park River North Dakota until you reach 73rd st. NE turn right head East for one mile until you reach 136th Ave. NE. The intersection of 73rd st. NE and 136th Ave. NE is where the incident occurred.
Submitted By: Nathan Aucker **Affiliation:** Safety Consultant
Address: 3301 55th Ave Sw
City: Minot **State:** ND **Zip:** 58701

Received By:

Contact Person: Terry Demaine
6747 135th Ave NE
Park River, ND 58270

Distance Nearest Occupied Building: 0.28 Miles **Release Contained:** Yes

Type of Incident: Tank Leak

Description of Released Contaminant: 10-34-0 and 28-0-0 Nitrogen based Fertilizers and in the 10-34-0 it has 34% phosphate

Volume Spilled: 1100.00 gallons **Ag Related:** Yes

EPA Extremely Hazardous Substance: No **Reported to NRC:** Yes

Cause of Incident:

Vehicle was making turn South onto 136th Ave NE from 73rd st. NE heading westbound. Vehicle took the turn to sharp and the ground gave way causing the the trailer to tip and liquid fertilizer to spill out of the tanks.

Risk Evaluation:

The immediate risk is to the soil itself.

of Fatalities: 0 **# of Injuries:** 0 **Affected Medium:** 04 - water and soil

Potential Environmental Impacts:

Contaminated soil if not cleaned up properly.

Action Taken or Planned:

The spill was contained in the drainage dictch along side the road in pre accident holes. We had a Vac truck come out and suck out approximately 3,300 gallons of liquid to include water that was already present in the ditch. Aproximately 1,800 gallons of pure product remained in the tanks and was transfered to a recovery tank.

Wastes Disposal Location: The waste was applied to the landowners hay medow. We have written

permission from the land owner to do so.

Agencies Involved: NDDDES, State Highway Patrol, Local Law Enforcement, Local Emergency Manager, ND Department of Agriculture

Updates

Date: 6/1/2015 **Status:** Reviewed - Follow-up Required

Author: Tintes Schiwal, Emily

Updated Volume:

Notes:

Both the Walsh Co. emergency manager (EM) and the local watershed coordinator were on site shortly after the accident to take photos and collect information. All photos are in the corresponding report folder. North Star Coop brought out a vacuum truck and began removing the fertilizer-contaminated water standing in the ditch. In total, they removed approximately 5100 gallons of water from the ditch. They have entered into a contract with the owners of the land adjacent to the spill site to spread the contaminated water on to their pasture. North Star is obtaining a written contract with the landowner to prove this agreement. According to the EM, North Star will keep monitoring the area and using the vacuum truck as the heavy rain events keep occurring over the next couple of days. North Star will be sending the vacuum truck receipts to NDDoH to show the amount of water they have removed.

I spoke to North Star's safety consultant, and he said they took 11 water samples today and used photos to geotag the sample locations. These samples will be tested for nitrogen content at Agriservices in Northwood, and the results should be back within 3-4 days. North Star will use these results to determine the level of soil excavation that will be needed. These sample results and photos will be sent to NDDoH and will be kept on file with this incident report.

This incident report will be updated as information is received.

Date: 6/16/2015 **Status:** Awaiting Documentation

Author: Tintes Schiwal, Emily

Updated Volume:

Notes:

A representative from North Star submitted initial test results to the Dept. Some of the 11 samples demonstrated very high levels of nitrogen, so they conducted more soil excavation and took another set of samples. North Star is expecting those samples sometime this week and will also send those to the Dept. The test results are also in the corresponding folder.

Date: 6/19/2015 **Status:** Awaiting Documentation

Author: Tintes Schiwal, Emily

Updated Volume:

Notes:

North Star Coop submitted a second set of testing results to NDDH reflecting levels after excavating the affected soils. The tests show a significant improvement in nitrogen levels from the initial results. Only one area was still a bit higher than recommended for optimal soil chemistry. I will be contacting the Walsh Co. Emergency Mgr. and asking him to return to take 'after' photos of the site. The second set of results are in the corresponding report folder.